

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A solid-state imaging device comprising:

a plurality of light-receiving units two-dimensionally arrayed in a semiconductor substrate;

a filter unit operable to transmit incident light of selected wavelengths to the plurality of light receiving units; and

a light shielding unit operable to shield incident light, the light shielding unit having a plurality of apertures, each aperture opposing a corresponding light receiving unit, wherein

on a path of incident light from the light shielding unit to the plurality of light-shielding light-receiving units, the filter unit is disposed between the light shielding unit and the plurality of light-receiving units, and

the filter unit is composed of an inorganic material.

2. (Original) The solid-state imaging device of Claim 1, further comprising

a condensing unit operable to condense incident light on the corresponding light-receiving unit disposed in each of the plurality of apertures in the shielding unit.

3. (Currently Amended) The solid-state imaging device of Claim 2, wherein

the filter unit is composed of an inorganic material except for at the plurality of apertures, the light shielding unit reflects the incident light.

4. (Original) The solid-state imaging device of Claim 2, wherein

the filter unit has a multilayer film structure.

5. (Original) The solid-state imaging device of Claim 2, wherein

the filter unit is composed of photonic crystal.

6. (Currently Amended) A solid-state imaging device comprising:

a plurality of light-receiving units two-dimensionally arrayed in a semiconductor substrate; and

a filter unit operable to transmit light of selected wavelengths to the plurality of light receiving units, wherein

the filter unit is composed of photonic crystal having a microstructure of alternately layered materials that differ in refractive index and/or permittivity, a thickness of any given two contacting layers in the microstructure being of the order of a wavelength of light.

7. (Currently Amended) A camera comprising a solid-state imaging device including:

a plurality of light-receiving units two-dimensionally arrayed in a semiconductor substrate;

a filter unit operable to transmit incident light of selected wavelengths to the plurality of light receiving units; and

a light shielding unit operable to shield incident light, the light shielding unit having a plurality of apertures, each aperture opposing a corresponding light receiving unit, wherein

on a path of incident light from the light shielding unit to the plurality of light-shielding light-receiving units, the filter unit is disposed between the light shielding unit and the plurality of light-receiving units.

8. (Original) A camera comprising a solid-state imaging device including:

a plurality of light-receiving units two-dimensionally arrayed in a semiconductor substrate; and

a filter unit operable to transmit light of selected wavelengths to the plurality of light receiving units, wherein

the filter unit is composed of photonic crystal.

9 – 32. (Cancelled)